APPLICATION FOR DUST CONTROL / DEMOLITION PERMIT

1 ACRE OR LARGER

Formerly Part Of "Application For An Earthmoving Permit"

If the size of your project (the physical area that will be disturbed during the duration of the permit) is 1 acre or larger, then you must answer all of the questions in this application and submit the appropriate application fee to the Maricopa County Environmental Services Department.

There are three sections in this application:

Section 1 - Applicant Information
Section 2 - Project Information
Section 3 - Dust Control Plan

Please use the Guidance For Application For Dust Control/Demolition/Weed Abatement/Slurry Seal Permit to complete this application. The guidance includes details and explanations of the information required in this application.

Also, please note that if you are completing this application and you are the "applicant", then you must have overall authority and control over all aspects of all the work accomplished on-site from initial groundbreaking to final stabilization. Also, as an "applicant", you are responsible for closing-out the Dust Control/Demolition Permit-1 Acre Or Larger, when the project is complete and/or when you no longer have control over the day-to-day operations on the site.

Refer to Maricopa County Air Pollution Control Regulations Rule 200 (Permit Requirements) and Rule 310 (Fugitive Dust) for more information regarding the requirements and work practices associated with this application. Both of these rules are available at 1001 North Central Avenue or at: http://www.maricopa.gov/envsvs/airqual.asp.

For Office Use Only
District #
Inspector
NOV #
Permit #
Fee Paid
Date Issued
Approved By
NESHAP

Section 1 – Applicant Information

1. Applicant: Check all that apply:

☐Property Owner ☐General/Prime Contractor ☐Developer ☐Lessee

Name:_____

Applicant Address:_____

City/State/Zip:_____

Phone:_____ Fax #:_____

E-Mail Address:_____

Local Mailing Address (if not the same as above):_____

Contractor License Number:_____

1a. Is Applicant A Wholly Owned Subsidiary Of Another Company? ☐Yes ☐No

If you answered "yes" above, please provide the following information:

1b. Parent Company Name:_____

Address:_____

City/State/Zip:_____

Phone:_____ Fax:_____

State Of Incorporation:_____

Section 1 – Applicant Information

2. Property Owner/Developer, If Not Applicant: _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

Contact Person: _____

3. Primary Project Contact: _____

Title: _____ Company Name: _____

On-Site Phone: _____ Mobile: _____ Fax: _____

4. Signature Of A Responsible Official Of The Applicant:

I hereby certify that, based on information and belief formed after reasonable inquiry, the statements and information in the Application For Dust Control/Demolition Permit-1 Acre Or Larger, including Section 1-Applicant Information, Section 2-Project Information, and Section 3-Dust Control Plan, are true, accurate, and complete.

A Responsible Official Of The Applicant is the person who will be contacted or named in any enforcement action initiated by the Maricopa County Environmental Services Department or the Office of the Maricopa County Attorney.

Arizona Revised Statute 13-2704 makes it a criminal offense to knowingly make a false material statement to a public servant in connection with an application for any benefit, privilege, or license.

Signature: _____

Printed Name: _____ Title: _____

4a. Company President/Owner: _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

5. Application Completed By, If Not Signatory:

Printed Name:_____

Title:_____

Section 2 - Project Information

6. Address Of Project Location (if no address available include block #, assessor's parcel #, GPS coordinates, etc.):

Address:_____

City/Zip:_____

Major Cross Street 1:_____

Major Cross Street 2:_____

Assessor's Parcel Number(s) (if no address available):_____

GPS Coordinates (if no address available):_____

Legal Description (from Phoenix Metropolitan Map Book or Assesor's description):

Township:_____ Range:_____ Section:_____

7. Name Of Project: _____

8. Description Of Project: _____

_____

9. Will Mass Excavation Be Conducted ☐Yes ☐No

9a. Will A Basement Or Underground Parking Be Excavated? ☐Yes ☐No

9b. Will Building Occur On A Pre-Existing Pad/Prepared Pad? ☐Yes ☐No

10. Size Of Project Or Physical Area (Acres) That Will Be Disturbed During The Duration Of This Permit, Including Staging And Stockpile Areas, And Temporary Storage Yards:_____

Estimated acres to be graded, if different from size of project indicated above:_____

Estimated cubic yards to be moved within the boundaries of the project:_____

Estimated amount of import material_____ Estimated amount of export material_____

Section 2 - Project Information

11. Project Start Date: _____

11a. Estimated Duration Of Project: _____

12. Attach Project Site Drawing (A Dust Control/Demolition Permit-1 Acre Or Larger will not be issued, unless a drawing is submitted. Attach a separate page **(8 ½" x 11")** with a drawing showing all of the following elements)**:**

- Entire project site boundaries
- Acres to be disturbed with linear dimensions (including staging areas, stockpiles, and storage)
- Nearest public cross roads
- North arrow
- Planned exit locations onto paved public roadways

13. Indicate Soil Designations From Appendix F In Maricopa County Air Pollution Control Regulations Or Attach A Copy Of The Site Geotechnical Report:

Except for routine maintenance and repair done under a Block Permit, designate, in the table below, which soil texture is naturally present on the work site and which soil texture will be imported onto the work site (if applicable). If the soil on the work site has been tested, then you should rely on the test results to complete the table and you should attach a copy of the site soil report to this application. If the soil on the work site has not been tested, then you should use Appendix F in the Maricopa County Air Pollution Control Regulations to complete the table below.

Soil Texture Naturally Present On Work Site	Soil Texture To Be Imported Onto Work Site

14. Is This A Renewal? ☐Yes Previous Permit #_____ ☐No

A permit is valid for 1 year after date of issuance/approval. **The permit must be renewed 14 days prior to expiration.**

Section 2 - Project Information

15. Asbestos NESHAP Notification Requirements:

All facilities scheduled for demolition or renovation (see definitions below) must be inspected by a currently certified Asbestos HAZARD Emergency Response Act (AHERA) Asbestos Building Inspector. There is no waiver of this requirement based on the age of the facility. The inspection must be performed within 12 months of commencement of demolition or renovation activity. Questions concerning the Asbestos NESHAP regulation should be referred to Maricopa County's Asbestos NESHAP Coordinator at 602-506-6708.

Demolition: The wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of a facility.

Renovation: Altering a facility or one or more facility components in any way, including the stripping or removal of RACM from a facility component.

Does The Project Include Demolition Or Renovation? ☐Yes ☐No

Description Of Demolition Activities: _____

_____

_____

_____

Date Of Asbestos Inspection: _____

10-Day NESHAP Notification Submittal Date (Please Attach A Copy): _____

Section 3 - Dust Control Plan - 1 Acre Or Larger

There are 10 sections (A – J) in the Dust Control Plan that follows. The first 8 sections, Sections A - H, list the following categories (and sub-categories) of dust generating operations:

A. Vehicles/Motorized Equipment

1. Use In Open Areas
2. Unpaved Parking Lots
3. Unpaved Haul Roads/Access Areas

B. Disturbed Surface Areas

1. Before Dust Generating Operations Occur
2. During Dust Generating Operations
3. Temporary Stabilization Including Weekends, After Work Hours, Holidays, And Periods Up-To 8 Months
4. Permanent Stabilization Of Open Areas And Vacant Lots Required Within 8 Months Of Ceasing Dust Generating Operations

C. Bulk Material Handling

1. Prior To And/Or During Stacking, Loading, And Unloading Operations
2. Open Storage Piles
3. On-Site Hauling Within The Boundaries Of The Work Site And Crossing A Paved Areas Accessible To The Public
4. On-Site Hauling Within The Boundaries Of The Work Site
5. Off-Site Hauling Onto Paved Areas Accessible To The Public

D. Trackout, Carryout, Spillage, And Erosion

1. Trackout Control Device
2. Cleaning

E. Weed Abatement By Discing Or Blading

1. Disturbance Operations
2. Stabilization

F. Blasting Operations

G. Demolition Activities

H. Wind Event

1. When Dust Generating Operation Is Occurring
2. Temporary Disturbed Surface Areas After Work Hours, Weekends, And Holidays

Section 3 - Dust Control Plan - 1 Acre Or Larger

Listed under each category (and sub-category) of dust generating operation, in Sections A-H, are dust control measures. You must circle a primary, "P", control measure (e.g. plan A) and a contingency, "C", control measure (e.g. plan B) for each category (and sub-category) of dust generating operation listed in Sections A-H of the Dust Control Plan; these are the measures you will use to control dust. If a category (and/or a subcategory) of dust generating operation listed in Sections A-H does not apply to your project, then explain, in the space provided, why no dust control would be required.

"Apply water" is one type of dust control measure. The following categories (and sub-categories), of Sections A-H, include "apply water" as a dust control measure:

A. Vehicles/Motorized Equipment

   2. Unpaved Parking Lots
   3. Unpaved Haul Roads/Access Areas

B. Disturbed Surface Areas

   1. Before Dust Generating Operations Occur
   2. During Dust Generating Operations
   3. Temporary Stabilization Including Weekends, After Work Hours, Holidays, And Periods Up-To 8 Months
   4. Permanent Stabilization Of Open Areas And Vacant Lots Required Within 8 Months Of Ceasing Dust Generating Operations

C. Bulk Material Handling

   1. Prior To And/Or During Stacking, Loading, And Unloading Operations
   2. Open Storage Piles
   4. On-Site Hauling Within The Boundaries Of The Work Site
   5. Off-Site Hauling Onto Paved Areas Accessible To The Public

E. Weed Abatement By Discing Or Blading

   1. Disturbance Operations
   2. Stabilization

F. Blasting Operations

G. Demolition Activities

H. Wind Event

1. When Dust Generating Operation Is Occurring
2. Temporary Disturbed Surface Areas After Work Hours, Weekends, And Holidays

Section 3 - Dust Control Plan - 1 Acre Or Larger

In each category (and sub-category) of dust generating operation listed in Sections A-H for which you choose to "apply water" as a dust control measure, you must describe, in Section I, the size and number of the equipment that you will use to supply the water and to apply the water. A minimum water availability table is included in Section I for each category (and sub-category) of dust generating operation that includes "apply water" as a dust control measure. Use the minimum water availability table to determine the size and number for the equipment that you will use to supply the water and to apply the water.

The last section of the following Dust Control Plan is Section J. Section J requires information for all dust suppressants other than water that you use.

When completing the following Dust Control Plan, use the Guidance For Application For Dust Control/Demolition/Weed Abatement/Slurry Seal Permit - Section 3 - Table Of Contents to help you select dust control measures and keep in mind the following instructions:

- Categories and/or sub-categories of dust generating operations C3, C5, D1, F, and G, in the following Dust Control Plan, have primary control measures required by Rule 310. You will need to choose a contingency measure, "C", for these dust generating operations.
- Where an "X" has replaced a "P", the dust control measure cannot be used as a primary control measure.
- Where an "X" has replaced a "C", the dust control measure cannot be used as a contingency control measure and is required to be used as a primary control measure.
- Where "Other" is listed without reference to a surface stabilization standard(s) and is selected as a primary control measure, then the description must meet the criteria in the Guidance For Application For Dust Control/Demolition/Weed Abatement/Slurry Seal Permit - Section 3 - Unlisted Dust Control Measures.

After your Application For Dust Control/Demolition Permit-1 Acre Or Larger and Dust Control Plan are approved, you must post your Dust Control/Demolition Permit-1 Acre Or Larger and Dust Control Plan on-site.

A. Vehicles/Motorized Equipment

1. Use In Open Areas

(How do you intend to keep vehicles out of open areas?)

P C Restrict trespass by installing signs

P C Install physical barriers such as curbs, fences, gates, posts, signs, shrubs or trees to prevent access (circle selected measures)

P C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

2. Unpaved Parking Lots

(Will vehicles be parking on unpaved areas at any time? Where do you plan to have vehicles parking?)

P C Apply water at a frequency and intensity so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 8%
(Fill Out Section I)

P C Apply water in combination with dust suppressant(s) so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 8%
(Fill Out Section J)

P C Apply and maintain gravel, recycled asphalt, or other suitable material so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 8%

P C Pave (choose one of the following): Beginning Of Project During Project* End Of Project*
*Must stabilize surface prior to paving, so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 8%

P C Apply and maintain dust suppressant(s) other than water, so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 8%
(Fill Out Section J)

X C Limit vehicle speed to 15 m.p.h. on the site_____

P C Other (so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 8%):_____
_____

Or, explain why this control measure is not applicable_____

A. Vehicles/Motorized Equipment

3. Unpaved Haul Roads/Access Areas

(Will you be operating, hauling, or delivering equipment or materials using unpaved areas?)

P C Limit vehicle speed to 15 m.p.h. or less and limit number of vehicle trips to less than 20 per day. In the space provided, list the maximum number of vehicle trips on the unpaved haul roads/access areas each day (including number of employee vehicles, earthmoving equipment, haul trucks, and water trucks)_____

P C Apply water at a frequency and intensity material, so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 6%
(Fill Out Section I)

P C Apply water in combination with dust suppressant(s), so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 6%
(Fill Out Section J)

P C Pave (choose one of the following): Beginning Of Project During Project* End Of Project*
*Must stabilize surface prior to paving, so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 6%

P C Apply and maintain surface gravel, recycled asphalt, or other suitable material, so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 6%

P C Apply and maintain dust suppressant(s) other than water, so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 6%
(Fill Out Section J)

X C Cease operations

P C Other (so that visible emissions do not exceed 20% opacity and either do not allow silt loading equal to or greater than 0.33 oz/ft^2 or do not allow silt content to exceed 6%):_____
_____

Or, explain why this control measure is not applicable_____

B. Disturbed Surface Areas

1. Before Dust Generating Operations Occur

(What steps do you intend to take, before starting, that will minimize dust generation?)

P C Pre-water site to the depth of cuts
(Fill Out Section I)

P C Phase work to reduce the amount of disturbed surface area at any one time. Attach a map delineating the phases and their extent

P C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations): _____

Or, explain why this control measure is not applicable_____

2. During Dust Generating Operations

(How do you intend to control dust while working?)

P C Apply water, so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Rules And Regulations
(Fill Out Section I)

P C Apply and maintain dust suppressant(s) other than water, so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations
(Fill Out Section J)

P C Apply water in combination with dust suppressant(s), so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations
(Fill Out Section J)

P C Construct wind barrier fences (in conjunction with one of the above listed measures)

X C Cease operations

X C Limit vehicle speed to 15 m.p.h. on the work site_____

P C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____
_____

Or, explain why this control measure is not applicable_____

B. Disturbed Surface Areas

3. Temporary Stabilization Including Weekends, After Work Hours, Holidays, And Periods Up-To 8 Months

(How are you going to stabilize your site during non-work hours?)

P C Apply water or other dust suppressant to establish and maintain a visible crust **(Fill Out Sections I Or J)**

P C Apply and maintain gravel, recycled asphalt, or other suitable material to maintain a threshold friction velocity for disturbed surface areas corrected for non-erodible elements of 100 cm/second or higher

P C Apply and maintain gravel, recycled asphalt, or other suitable material to maintain a percent cover that is equal to or greater than 10% for non-erodible elements

P C Establish vegetative ground cover (landscaping) to maintain a flat vegetative cover (i.e., attached (rooted) vegetation or unattached vegetative debris lying on the surface with predominant horizontal orientation that is not subject to movement by wind) that is equal to at least 50%

P C Establish vegetative ground cover (landscaping) to maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 30%

P C Establish vegetative ground cover (landscaping) to maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 10% and where the threshold friction velocity is equal to or greater than 43 cm/second when corrected for non-erodible elements

P C Establish vegetative ground cover (landscaping) to comply with a standard of an alternative test method, upon obtaining the written approval from the Control Officer and the Administrator of EPA

P C Pave (choose one of the following): Beginning Of Project During Project* End Of Project*
*Must stabilize surface prior to paving so that one of the above stabilization standards is met

X C Restrict vehicular access to area in addition to (1) applying water or other dust suppressant(s) to establish and maintain a visible crust **(Fill Out Sections I Or J)** or (2) establishing vegetative ground cover (landscaping) to meet one of the above stabilization standards for vegetative cover

P C Other (so that one of the above standards for stabilization is met or comply with a standard of an alternative test method, upon obtaining the written approval of the Control Officer and the Administrator of the Environmental Protection Agency):_____

Or, explain why this control measure is not applicable_____

B. Disturbed Surface Areas

4. Permanent Stabilization Of Open Areas And Vacant Lots Required Within 8 Months Of Ceasing Dust Generating Operations

(How will the site be permanently stabilized after the project is complete?)

P C Apply water in sufficient quantity to establish and maintain a visible crust
(Fill Out Section I)

P C Restore area such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby undisturbed native conditions (desert xeriscaping)

P C Apply and maintain gravel, recycled asphalt, or other suitable material to maintain a threshold friction velocity for disturbed surface areas corrected for non-erodible elements of 100 cm/second or higher

P C Apply and maintain gravel, recycled asphalt, or other suitable material to maintain a percent cover that is equal to or greater than 10% for non-erodible elements

P C Apply and maintain gravel, recycled asphalt, or other suitable material to comply with a standard of an alternative test method, upon obtaining the written approval from the Control Officer and the Administrator of EPA

P C Establish vegetative ground cover (landscaping) to maintain a flat vegetative cover (i.e., attached (rooted) vegetation or unattached vegetative debris lying on the surface with predominant horizontal orientation that is not subject to movement by wind) that is equal to at least 50%

P C Establish vegetative ground cover (landscaping) to maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 30%

P C Establish vegetative ground cover (landscaping) to maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 10% and where the threshold friction velocity is equal to or greater than 43 cm/second when corrected for non-erodible elements

P C Establish vegetative ground cover (landscaping) to comply with a standard of an alternative test method, upon obtaining the written approval from the Control Officer and the Administrator of EPA

P C Pave (choose one of the following): Beginning Of Project During Project* End Of Project*
*Must stabilize surface prior to paving so that one of the above stabilization standards is met

P C Construct building, house, structure, floor

P C Apply and maintain dust suppressant(s) other than water, so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations
(Fill Out Section J)

P C Other (so that one of the stabilization standards in Rule 310, Section 302.3 is met): _____

_____

Or, explain why this control measure is not applicable_____

C. Bulk Material Handling

1. Prior To And/Or During Stacking, Loading, And Unloading Operations

(Will you be trenching, back filling, importing/exporting?)

P C Apply water at a frequency and intensity, so visible emissions do not exceed 20% opacity
(Fill Out Section I)

P C Apply water in combination with dust suppressant(s) at a frequency and intensity so visible emissions do not exceed 20% opacity
(Fill Out Section J)

X C Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate
(Fill Out Section I)

X C Remove material from the downwind side of the storage pile when safe to do so

X C Empty loader bucket slowly and keep loader bucket close to the truck to minimize the drop height while dumping

X C Cease operations

X C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

C. Bulk Material Handling

2. Open Storage Piles

(Will you have spoils piles and/or stockpiles for any length of time?)

P C Apply water as needed to establish and maintain a visible crust
(Fill Out Section I)

P C Apply water in combination with dust suppressant(s) to establish and maintain a visible crust
(Fill Out Section J)

P C Cover open storage piles with tarps, plastic, or other material

P C Apply water to maintain a soil moisture content at a minimum of 12%
(Fill Out Section I)

P C Apply water to maintain at least 70% of the optimum soil moisture content, for areas that have an optimum moisture content for compaction of less than 12%
(Fill Out Section I)

P C Maintain vegetative cover such that standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) is equal to or greater than 30% or greater than 10% where the threshold friction velocity is equal to or greater than 43 cm/second when corrected for non-erodible elements

P C Construct wind barriers (in conjunction with one of the above listed measures)

P C Other (so that one of the stabilization standards in Rule 310, Section 308.6 is met): _____

_____

Or, explain why this control measure is not applicable_____

C. Bulk Material Handling

3. On-Site Hauling Within The Boundaries Of The Work Site And Crossing A Paved Area Accessible To The Public

(Does your job encompass a paved area accessible to the public that you will be hauling across/perpendicular to?)

P X **Required:** Load all haul trucks such that the freeboard is not less than 3 inches; and Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment; and Install suitable trackout control device

X C Limit vehicle speed to 15 m.p.h. on the work site_____

X C Cease operations

X C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations): _____

Or, explain why this control measure is not applicable_____

4. On-Site Hauling Within The Boundaries Of The Work Site

(Will you be moving dirt or rock from one area to another on your site?)

P C Limit vehicle speed to 15 m.p.h. or less while traveling on the work site such that visible emissions coming-off the load do not exceed 20% opacity_____

P C Apply water to the top of the load such that the 20% opacity standard is not exceeded **(Fill Out Section I)**

P C Apply dust suppressant(s) other than water to the top of the load such that the 20% opacity standard is not exceeded **(Fill Out Section J)**

P C Cover haul trucks with a tarp or other suitable closure

X C Cease operations

P C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

C. Bulk Material Handling

5. Off-Site Hauling Onto Paved Areas Accessible To The Public

(Will you be conducting debris or lot cleanup? Will you be exporting materials?)

P X **Required:** Cover haul trucks with a tarp or other suitable closure;
and Load all haul trucks such that the freeboard is not less than 3 inches;
and Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment;
and Clean the interior of the cargo compartment of empty haul trucks before leaving the site

X C Apply water to the top of the load such that the 20% opacity standard is not exceeded
(Fill Out Section I)

X C Apply dust suppressant(s) other than water to the top of the load such that the 20% opacity standard is not exceeded
(Fill Out Section J)

X C Cease operations

X C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

D. Trackout, Carryout, Spillage, And Erosion

1. Trackout Control Device

Rule 310, Section 308.3 requires that a trackout control device be installed if a work site has 2 acres or more of disturbed surface area or if a work site has 100 cubic yards of bulk material hauled on-site or off-site per day.

(Will 8-10 haul trucks be coming on-site or going off-site? Will trucks be hauling on-site or off-site?)

P X **Required:** Install at all exits to a paved public roadway at least one of the following (circle all that apply)
gravel pad grizzly wheel wash system paved area

X C Cease operations

P C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

2. Cleaning

Rule 310, Section 308.3 requires that trackout/carryout be cleaned up immediately if trackout/carryout extends more than 50 feet along a paved area accessible to the public.

Rule 310, Section 308.3 requires that trackout/carryout be cleaned up no later than the end of the work day if trackout/carryout extends less than 50 feet along a paved area accessible to the public.

P C Operate a street sweeper or wet broom with sufficient water (e.g. kick broom, steel bristle broom, teflon broom, vacuum) on the following schedule:_____

P C Manually sweep-up deposits on the following schedule:_____

P C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

E. Weed Abatement By Discing Or Blading

(Will you be grubbing? Will you be removing weeds or vegetation prior to grading?)

1. Disturbance Operations

P C Pre-water site and apply water before and during weed abatement by discing or blading, so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations **(Fill Out Section I)**

P C Apply water in combination with dust suppressant(s) before and during weed abatement by discing or blading, so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations
(Fill Out Section J)

X C Limit vehicle speed to 15 m.p.h. during discing and blading operations_____

X C Cease operations

X C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

E. Weed Abatement By Discing Or Blading

2. Stabilization

P C Pave immediately following weed abatement

P C Apply gravel to establish and maintain a threshold friction velocity for disturbed surface areas corrected for non-erodible elements of 100 cm/second or higher

P C Apply gravel to establish and maintain a percent cover that is equal to or greater than 10% for non-erodible elements

P C Apply water or other dust suppressant(s) to establish and maintain a visible crust
(Fill Out Sections I Or J)

P C Establish vegetative ground cover (landscaping) to maintain a flat vegetative cover (i.e., attached (rooted) vegetation or unattached vegetative debris lying on the surface with predominant horizontal orientation that is not subject to movement by wind) that is equal to at least 50%

P C Establish vegetative ground cover (landscaping) to maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 30%

P C Establish vegetative ground cover (landscaping) to maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 10% and where the threshold friction velocity is equal to or greater than 43 cm/second when corrected for non-erodible elements

P C Establish vegetative ground cover (landscaping) to comply with a standard of an alternative test method, upon obtaining the written approval from the Control Officer and the Administrator of EPA

P C Other (so that one of the stabilization standards in Rule 310, Section 308.8(c) is met):_____

_____

Or, explain why this control measure is not applicable_____

F. Blasting Operations

P X **Required:** Discontinue blasting, if wind gusts above 25 m.p.h.

P X **Required:** Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate, so that visible emissions do not exceed 20% opacity and meet silt content standards of 6% for unpaved roads and 8% for unpaved parking areas as tested by methods described in Appendix C of the Maricopa County Air Pollution Control Regulations **(Fill Out Section I)**

P C Apply water or water in combination with dust suppressants, so that visible emissions do not exceed 20% opacity and meet silt content standards of 6% for unpaved roads and 8% for unpaved parking areas as tested by methods described in Appendix C of the Maricopa County Air Pollution Control Regulations
(Fill Out Sections I Or J)

P C Apply water in combination with dust suppressant(s), so that visible emissions do not exceed 20% opacity and meet silt content standards of 6% for unpaved roads and 8% for unpaved parking areas as tested by methods described in Appendix C of the Maricopa County Air Pollution Control Regulations
(Fill Out Section J)

X C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

G. Demolition Activities

P X Apply water or water in combination with dust suppressant(s) to demolition debris immediately following demolition activity
(Fill Out Sections I Or J)

P X Apply water or water in combination with dust suppressant(s) to all surrounding areas and to all disturbed soil surfaces immediately following demolition activity to establish a crust and to prevent wind erosion
(Fill Out Sections I Or J)

X C Thoroughly clean blast debris from paved and other surfaces following demolition activity

X C Other (so that visible emissions do not exceed 20% opacity as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations):_____

Or, explain why this control measure is not applicable_____

H. Wind Event

1. When Dust Generating Operation Is Occurring

P C Cease dust generating operation for the duration of the wind event when the 60-minute average wind speed is greater than 25 m.p.h. and stabilize work area, if dust generating operation is ceased for the remainder of the work day

P C Apply water or other suitable dust suppressant at least twice per hour (once per hour if outside the nonattainment area)
(Fill Out Sections I Or J)

P C Apply water to maintain soil moisture content at a minimum of 12%, as determined by ASTM Method D2216-98 or other equivalent method as approved by the Control Officer and the Administrator of the Environmental Protection Agency
(Fill Out Section I)

P C Maintain at least 70% of the optimum soil moisture content for areas that have an optimum moisture content for compaction of less than 12%, as determined by ASTM Method D2216-98 or other equivalent method as approved by the Control Officer or the Administrator of the Environmental Protection Agency

P C Apply water or other suitable dust suppressant(s) at least twice (once if outside the nonattainment area) per hour and construct fences or three-foot to five-foot high wind barriers with 50% or less porosity adjacent to roadways or urban areas to reduce the amount of windblown material leaving the site
(Fill Out Sections I Or J)

Or, explain why this control measure is not applicable_____

H. Wind Event

2. Temporary Disturbed Surface Areas After Work Hours, Weekends, And Holidays

P C Apply and maintain surface gravel or dust suppressant(s) so that one of the stabilization standards in Rule 310, Section 302.3 is met

P C Apply and maintain surface gravel or dust suppressant(s) to maintain a threshold friction velocity for disturbed surface areas corrected for non-erodible elements of 100 cm/second or higher

P C Apply and maintain surface gravel or dust suppressant(s) to maintain a percent cover that is equal to or greater than 10% for non-erodible elements

P C Apply and maintain surface gravel or dust suppressant(s) to comply with a standard of an alternative test method, upon obtaining the written approval from the Control Officer and the Administrator of Environmental Protection Agency

P C Apply water or water in combination with dust suppressant(s) to all disturbed surface areas 3 times per day. If there is evidence of windblown dust, increase watering frequency to a minimum of 4 times per day
(Fill Out Sections I Or J)

P C Apply water or water in combination with dust suppressant(s) on open storage piles at least twice per hour (once per hour if outside the nonattainment area) to maintain a visible crust
(Fill Out Sections I Or J)

P C Cover open storage piles with tarps, plastic, or other material such that wind will not remove the coverings

Or, explain why this control measure is not applicable_____

I. W a t e r

Rule 310, Section 308.7 (Soil Moisture) requires that if water is the chosen control measure, then you must operate a water application system on-site (e.g., water trucks, water hose), while conducting any earthmoving operations on disturbed surface areas 1 acre or larger. This requirement does not apply, if a visible crust is maintained or the soil is sufficiently damp to prevent loose grains of soil from becoming dislodged.

In the previous sections, Sections A-H, dust control measures are listed under each category (and sub-category) of dust generating operation. One type of dust control measure is "apply water". The following categories (and sub-categories) of Sections A-H include "apply water" as a dust control measure:

A. Vehicles/Motorized Equipment
   2. Unpaved Parking Lots
   3. Unpaved Haul Roads/Access Areas

B. Disturbed Surface Areas
   1. Before Dust Generating Operations Occur
   2. During Dust Generating Operations
   3. Temporary Stabilization Including Weekends, After Work Hours, Holidays, And Periods Up-To 8 Months
   4. Permanent Stabilization Of Open Areas And Vacant Lots Required Within 8 Months Of Ceasing Dust Generating Operations

C. Bulk Material Handling
   1. Prior To And/Or During Stacking, Loading, And Unloading Operations
   2. Open Storage Piles
   4. On-Site Hauling Within The Boundaries Of The Work Site
   5. Off-Site Hauling Onto Paved Areas Accessible To The Public

E. Weed Abatement By Discing Or Blading
   1. Disturbance Operations
   2. Stabilization

F. Blasting Operations

G. Demolition Activities

H. Wind Event
   1. When Dust Generating Operation Is Occurring
   2. Temporary Disturbed Surface Areas After Work Hours, Weekends, And Holidays

I. W a t e r

For each category (and sub-category) of dust generating operation listed in Sections A-H for which you choose to "apply water" as a dust control measure, you must describe, in Section I, the size and number of the equipment that you will use to supply the water (i.e., metered hydrant, water tower, water pond) and the size and number of the equipment that you will use to apply the water - the water application system (i.e., hose, water truck, water pull, water buffalo).

A minimum water availability table is included in Section I for each category (and sub-category) of dust generating operation that includes "apply water" as a dust control measure. "Minimum water availability" means water supply in conjunction with water application system. Each minimum water availability table lists the minimum amount of water that you must have available for dust control and compaction in severe and moderate soil types for each category (and sub-category) that includes "apply water" as a dust control measure. Use the minimum water availability table to determine the size and number for the equipment that you will use to supply the water and to apply the water.

For example, if you are using nine acres of severe type soil for unpaved haul roads/access areas, then you must have a minimum of 3,375 gallons of water available per day and you might choose to use as your water supply one 3,000 gallon water tower and as your water application system two 1,000 gallon water trucks.

If you did not choose "apply water" for a category (and sub-category) of dust generating operation in Sections A-H, then for that category (and sub-category) of dust generating operation in Section I, choose "Not Applicable".

Regardless of the minimum amount of water that you have available to your site/on your site and regardless of your water supply and water application system, in no case shall you exceed the 20% opacity standard as tested by methods in Appendix C of the Maricopa County Air Pollution Control Regulations.

I. Water

A. Vehicle / Motorized Equipment
2. Unpaved Parking Lots

Water Supply	Size & Number
☐Metered Hydrant	_____
☐Water Tower	_____
☐Water Pond	_____
☐Other_____	_____

Water Application System	Size & Number
☐Hose	_____
☐Water Truck	_____
☐Water Pull	_____
☐Water Buffalo	_____
☐Other_____	_____

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	375 gallons per day per acre
	10 acres and larger	3,500 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	225 gallons per day per acre
	10 acres and larger	2,250 gallons per day per acre

☐**Not Applicable**

I. Water

A. Vehicle / Motorized Equipment
3. Unpaved Haul Roads / Access Areas

Water Supply	**Size & Number**
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	**Size & Number**
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	375 gallons per day per acre
	10 acres and larger	3,500 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	225 gallons per day per acre
	10 acres and larger	2,250 gallons per day per acre

☐**Not Applicable**

I. Water

B. Disturbed Surface Areas
1. Before Dust Generating Operations Occur

Water Supply	Size & Number
☐ Metered Hydrant	
☐ Water Tower	
☐ Water Pond	
☐ Other_____	

Water Application System	Size & Number
☐ Hose	
☐ Water Truck	
☐ Water Pull	
☐ Water Buffalo	
☐ Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	1,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐ **Not Applicable**

I. Water

B. Disturbed Surface Areas
2. During Dust Generating Operations

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Minimum Water Available (November-February)	Minimum Water Available (March-October)
Severe (clay, silty clay, sandy clay)	5,000 gallons per day per acre and 30 gallons per cubic yard of material moved	10,000 gallons per day per acre and 30 gallons per cubic yard of material moved
Moderate (all other classifications)	5,000 gallons per day per acre and 30 gallons per cubic yard of material moved	10,000 gallons per day per acre and 30 gallons per cubic yard of material moved

☐**Not Applicable**

I. Water

B. Disturbed Surface Areas
3. Temporary Stabilization
Including Weekends, After Work Hours, Holidays, And Periods Up-To 8 Months

Water Supply	Size & Number
☐ Metered Hydrant	
☐ Water Tower	
☐ Water Pond	
☐ Other_____	

Water Application System	Size & Number
☐ Hose	
☐ Water Truck	
☐ Water Pull	
☐ Water Buffalo	
☐ Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	5,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐ **Not Applicable**

I. Water

B. Disturbed Surface Areas
4. Permanent Stabilization
Of Open Areas And Vacant Lots
Required Within 8 Months
Of Ceasing Dust Generating Operations

Water Supply	**Size & Number**
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	**Size & Number**
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	5,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐**Not Applicable**

I. Water

C. Bulk Material Handling
1. Prior To And / Or During Stacking, Loading, And Unloading Operations

Water Supply	Size & Number
☐ Metered Hydrant	
☐ Water Tower	
☐ Water Pond	
☐ Other_____	

Water Application System	Size & Number
☐ Hose	
☐ Water Truck	
☐ Water Pull	
☐ Water Buffalo	
☐ Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	375 gallons per day per acre
	10 acres and larger	3,500 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	225 gallons per day per acre
	10 acres and larger	2,250 gallons per day per acre

☐ **Not Applicable**

I. Water

C. Bulk Material Handling
2. Open Storage Piles

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	375 gallons per day per acre
	10 acres and larger	3,500 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	225 gallons per day per acre
	10 acres and larger	2,250 gallons per day per acre

☐**Not Applicable**

I. Water

C. Bulk Material Handling

4. On-Site Hauling Within The Boundaries Of The Work Site

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	375 gallons per day per acre
	10 acres and larger	3,500 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	225 gallons per day per acre
	10 acres and larger	2,250 gallons per day per acre

☐**Not Applicable**

I. Water

C. Bulk Material Handling
5. Off-Site Hauling
Onto Paved Areas Assessible To The Public

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	375 gallons per day per acre
	10 acres and larger	3,500 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	225 gallons per day per acre
	10 acres and larger	2,250 gallons per day per acre

☐**Not Applicable**

I. Water

E. Weed Abatement By Discing Or Blading
1. Disburbance Operations

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	1,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐**Not Applicable**

I. Water

E. Weed Abatement By Discing Or Blading
2. Stabilization

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	1,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐**Not Applicable**

I. Water

F. Blasting Operations

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	1,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐**Not Applicable**

I. Water

G. Demolition Activities

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	1,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐**Not Applicable**

I. Water

H. Wind Event
1. When Dust Generating Operation Is Occurring

Water Supply	**Size & Number**
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	**Size & Number**
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	1,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐**Not Applicable**

I. Water

H. Wind Event
2. Temporary Disturbed Surface Areas
After Work Hours, Weekends, And Holidays

Water Supply	Size & Number
☐Metered Hydrant	
☐Water Tower	
☐Water Pond	
☐Other_____	

Water Application System	Size & Number
☐Hose	
☐Water Truck	
☐Water Pull	
☐Water Buffalo	
☐Other_____	

Minimum Water Availability Table

Soil Texture Rating	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	Less than 10 acres	500 gallons per day per acre
	10 acres and larger	1,000 gallons per day per acre
Moderate (all other classifications)	Less than 10 acres	300 gallons per day per acre
	10 acres and larger	3,000 gallons per day per acre

☐**Not Applicable**

J. Dust Suppressants

Although water is a dust suppressant, the information required by Table J should not include information on water supply and water application. Complete Section I with your water supply and water application information. The information required by Table J is for all other dust suppressants that you use. Fill out the applicable areas in the table below and attach information on environmental impacts and approvals or certifications related to appropriate and safe use for ground application. Also, attach product specification(s) and application sheet(s) or label instructions.

Application Section	Manufacturer Name	Product	Application Frequency *	Intensity**
A Vehicles/Motorized Equipment				
B Disturbed Surface Areas				
C Bulk Material Handling				
D Trackout, Carryout, Spillage, And Erosion				
E Weed Abatement By Discing Or Blading				
F Blasting Operations				
G Demolition Activities				
H Wind Event				

* How often the surface will receive a complete application of dust suppressant (e.g. 3 times a day)

** The amount used over a period of time (e.g. gallons/minute)